



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLRL8-11L-CS1-46-835.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-13804
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 1/3/25
[TEST DATE] 12/09/22
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CLRL8-11L-CS1-46-835
[TEST PROCEDURE] IESNA LM-79-19
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[FACTORED] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_COLORTEMP] 3500
[TESTED]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10373
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	80
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	7.40 ft
Luminous Width (90-270)	0.67 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3607	3946	4304
55	3975	4431	4933
65	4260	4838	5436
75	4177	4935	5323
85	4202	3902	3552

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1162	1162	1162	1162	1162
2.5	1188	1170	1164	1156	1148
5.0	1190	1174	1168	1162	1154
7.5	1196	1178	1174	1168	1162
10.0	1198	1184	1180	1176	1170
12.5	1202	1190	1188	1190	1184
15.0	1208	1196	1200	1206	1202
17.5	1212	1202	1210	1224	1222
20.0	1216	1210	1224	1242	1246
22.5	1220	1216	1238	1266	1272
25.0	1224	1222	1252	1286	1294
27.5	1228	1228	1264	1308	1320
30.0	1226	1232	1278	1328	1344
32.5	1224	1232	1288	1346	1364
35.0	1222	1232	1294	1360	1382
37.5	1214	1230	1298	1372	1394
40.0	1202	1220	1296	1376	1400
42.5	1188	1208	1290	1376	1402
45.0	1170	1194	1280	1368	1396
47.5	1146	1172	1262	1354	1386
50.0	1118	1148	1238	1332	1366
52.5	1086	1116	1206	1304	1338
55.0	1046	1076	1166	1266	1298
57.5	998	1030	1122	1218	1250
60.0	948	978	1068	1160	1196
62.5	888	916	1008	1096	1128
65.0	826	850	938	1024	1054
67.5	754	778	856	942	964
70.0	672	698	774	838	852
72.5	586	614	686	724	744
75.0	496	524	586	612	632
77.5	408	438	478	504	520
80.0	326	354	376	400	402
82.5	252	268	270	278	274
85.0	168	166	156	148	142
87.5	80	68	50	34	24
90.0	20	16	16	16	12
92.5	118	60	34	36	32
95.0	230	194	130	72	66
97.5	310	310	296	278	268
100.0	384	406	430	486	516
102.5	458	494	546	650	710
105.0	536	578	644	792	874
107.5	620	654	728	914	1002
110.0	698	730	806	1014	1116
112.5	764	794	884	1090	1198
115.0	818	844	958	1146	1254
117.5	848	872	1006	1184	1288
120.0	862	888	1022	1208	1300
122.5	868	906	1018	1218	1310
125.0	878	922	1012	1206	1302
127.5	890	930	1010	1180	1266
130.0	900	924	1004	1140	1216
132.5	898	908	982	1088	1158

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CANDELA TABULATION - (Cont.)

135.0	884	888	948	1038	1098
137.5	864	874	914	1002	1036
140.0	842	864	898	974	988
142.5	828	852	886	942	960
145.0	826	832	870	902	932
147.5	828	812	842	872	900
150.0	828	800	816	856	872
152.5	820	798	806	844	850
155.0	808	802	804	826	820
157.5	794	802	802	810	792
160.0	784	796	790	798	780
162.5	784	792	774	788	780
165.0	792	788	764	774	778
167.5	796	786	766	768	770
170.0	796	786	774	770	768
172.5	788	778	774	768	766
175.0	776	768	764	760	756
177.5	768	758	754	750	744
180.0	752	752	752	752	752

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	453.44	N.A.	4.40
0-30	1034.89	N.A.	10.00
0-40	1848.25	N.A.	17.80
0-60	3879.47	N.A.	37.40
0-80	5404.27	N.A.	52.10
0-90	5586.98	N.A.	53.90
10-90	5475.01	N.A.	52.80
20-40	1394.82	N.A.	13.40
20-50	2382.81	N.A.	23.00
40-70	2953.09	N.A.	28.50
60-80	1524.79	N.A.	14.70
70-80	602.93	N.A.	5.80
80-90	182.71	N.A.	1.80
90-110	899.88	N.A.	8.70
90-120	1872.15	N.A.	18.00
90-130	2815.53	N.A.	27.10
90-150	4115.18	N.A.	39.70
90-180	4786.12	N.A.	46.10
110-180	3886.25	N.A.	37.50
0-180	10373.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	111.97
10-20	341.47
20-30	581.45
30-40	813.36
40-50	987.99
50-60	1043.22
60-70	921.87
70-80	602.93
80-90	182.71
90-100	193.05
100-110	706.82
110-120	972.27
120-130	943.38
130-140	751.53
140-150	548.12
150-160	376.02
160-170	221.48
170-180	73.45

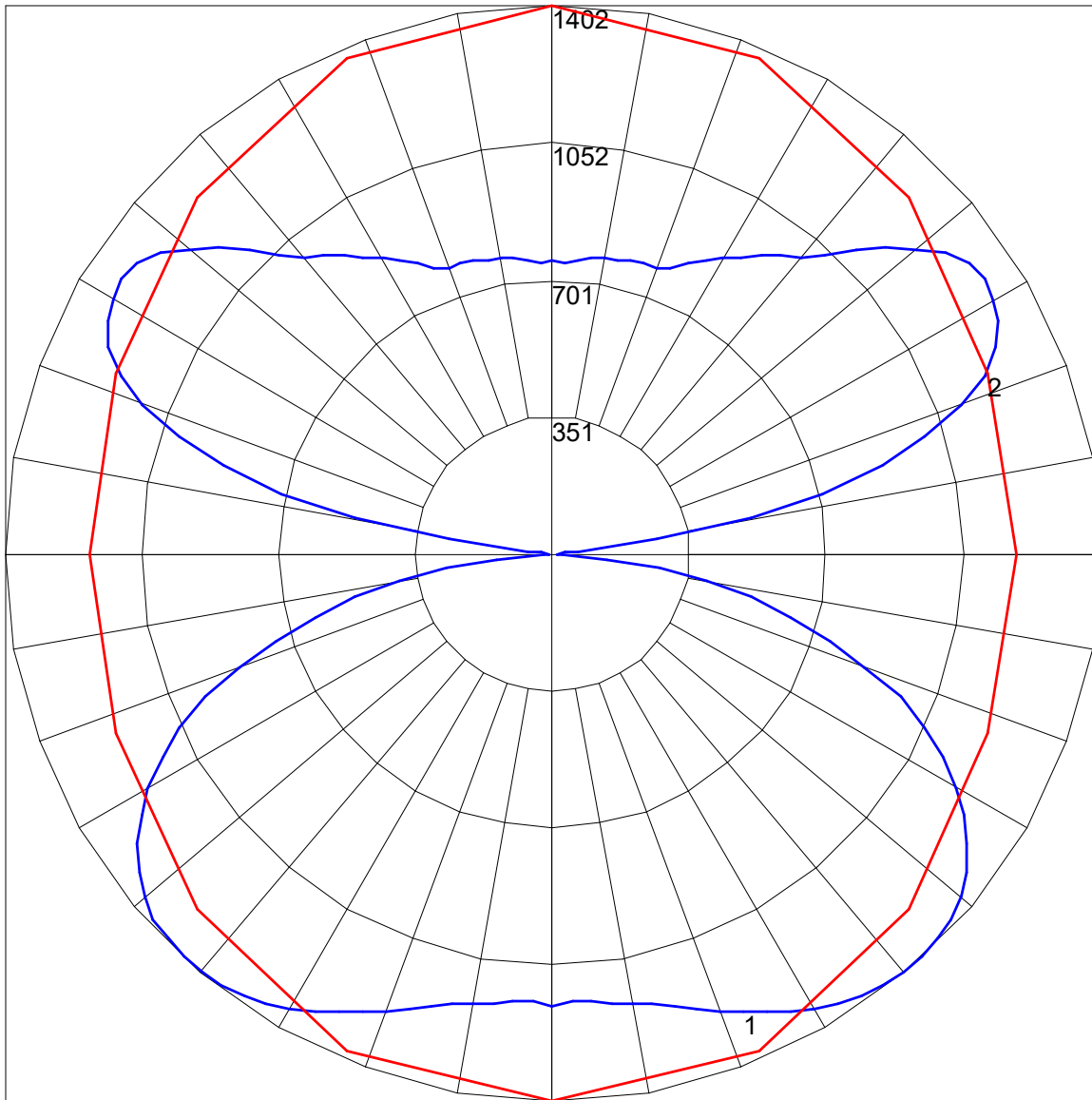
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	60	60	60	54
1	97	93	88	84	90	86	82	79	73	70	68	62	60	58	51	49	48	43
2	88	80	73	67	81	74	68	63	63	58	54	53	49	46	43	41	39	34
3	79	69	61	55	73	64	57	51	54	49	44	46	42	38	38	34	32	28
4	72	60	52	45	66	56	48	42	48	42	37	40	35	32	33	29	26	23
5	66	53	45	38	61	50	42	36	42	36	31	35	31	27	29	25	22	19
6	60	47	39	33	56	44	36	31	38	31	27	32	27	23	26	22	19	16
7	56	43	34	28	51	40	32	26	34	28	23	29	24	20	24	20	17	14
8	51	38	30	25	47	36	28	23	31	25	20	26	21	17	21	18	15	12
9	48	35	27	22	44	32	25	20	28	22	18	24	19	15	20	16	13	11
10	45	32	24	19	41	30	23	18	26	20	16	22	17	14	18	14	12	10

POLAR GRAPH



Maximum Candela = 1402 Located At Horizontal Angle = 90, Vertical Angle = 42.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (42.5) (Through Max. Cd.)